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<10> Nelsestuen, Gary L.

<120> MODIFIED VITAMIN K-DEPENDENT POLYPEPTIDES

<130> 09531-016002

<140> US 10/031,005

<141> 2001-10-29

<150> PCT/US00/11416

<151> 2000-04-28

<150> US 09/302,239

<151> 1999-04-29

<150> US 08/955,636

<151> 1997-10-23

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<211> 44

<212> PRT

<213> Homo sapiens

<220>

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<222> (1)...(44)

<223> Xaa = gamma carboxyglutamic acid or glutamic acid

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1				5				10					15		
Cys	Ile	Xaa	Xaa	Ile	Cys	Asp	Phe	Xaa	Xaa	Ala	Lys	Xaa	Ile	Phe	Gln
			20					25					30		
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<212> PRT

<213> Bos taurus

<220>

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<223> Xaa = gamma carboxyglutamic acid or glutamic acid

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Ala	Asn	Ser	Phe	Leu	Xaa	Xaa	Leu	Arg	Pro	Gly	Asn	Val	Xaa	Arg	Xaa
1				5				10					15		
Cys	Ser	Xaa	Xaa	Val	Cys	Xaa	Phe	Xaa	Xaa	Ala	Arg	Xaa	Ile	Phe	Gln

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 35 40

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 Asp Ala Xaa Arg Thr Lys Leu Phe Trp Ile Ser Tyr
 35 40

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 35 40

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 Xaa Asn Thr Xaa Arg Thr Thr Xaa Phe Trp Lys Gln Tyr
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 20 25 30
 Xaa Asn Thr Xaa Lys Arg Thr Thr Xaa Phe Trp Lys Gln Tyr
 35 40 45

<210> 7
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 <212> DNA
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<220>
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Xaa Ser Leu Ser Ala Thr Asp Ala Phe Trp Ala Lys Tyr
35 40 45

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20 25 30
Asp Ala Xaa Gln Thr Asp Xaa Phe Trp Ser Lys Tyr
35 40

<210> 19
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<221> MOD_RES
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<223> Xaa = carboxyglutamic acid or glutamic acid

<400> 19
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Cys Ile Xaa Xaa Leu Cys Asn Lys Xaa Xaa Ala Arg Xaa Val Phe Xaa
          20          25          30
Asn Asp Pro Xaa Thr Asp Tyr Phe Tyr Pro Lys Tyr
          35          40

<210> 20
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 1          5          10          15
Xaa Cys Tyr Xaa Xaa Ile Cys Val Tyr Xaa Xaa Ala Arg Xaa Val Phe
          20          25          30
Xaa Asn Xaa Val Val Thr Asp Xaa Phe Trp Arg Arg Tyr
          35          40          45

<210> 21
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Lys Cys Trp Xaa Xaa Ile Cys Val Tyr Xaa Xaa Ala Arg Xaa Val Phe
          20          25          30
Xaa Asp Asp Xaa Thr Thr Asp Xaa Phe Trp Arg Thr Tyr
          35          40          45

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